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## MATERIAL SAFETY DATA SHEET

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifiers

**Product name:** SODIUM HYDROXIDE 10%  
**Item Code:** REA107  
**Brand:** Solmedia Ltd

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Identified uses:** PC21: Laboratory chemicals.

#### 1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Solmedia Ltd.  
- Address of Supplier: Unit 2, Vernon Drive  
Battlefield Enterprise Park  
Shrewsbury  
SY1 3TF  
UK  
- Telephone: 0844 80 80 900  
- Email: labsupplies@solmedialtd.com

#### 1.4 Emergency telephone number

Emergency Phone # +44 (0)844 80 80 900

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification under CLP:

Skin Corr. 1A: H314

##### Most important adverse effects:

Causes severe skin burns and eye damage.

#### 2.2 Label elements

##### Label elements under CLP:

**Hazard statements:** H314: Causes severe skin burns and eye damage.

**Signal words:** Danger

**Hazard pictograms:** GHS05: Corrosion

**Precautionary statements:**

P264: Wash skin thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321: Specific treatment (see instructions on this label).

P405: Store locked up.

P501: Dispose of contents/container to an approved waste disposal plant.

**2.3 Other hazards**

No data available

**PBT:**

This substance is not identified as a PBT substance.

**SECTION 3: Composition/information on ingredients****3.2 Mixtures****Hazardous ingredients:****SODIUM HYDROXIDE**

EINECS	CAS	CLP Classification	Percent
215-185-5	1310-73-2	Skin Corr. 1A: H314	1-10%

**SECTION 4: First aid measures****4.1 Description of first aid measures**

<b>Skin contact:</b>	Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.
<b>Eye contact:</b>	Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. Give 1 cup of water to drink every 10 minutes. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

#### 4.2 Most important symptoms and effects, both acute and delayed

**Skin contact:** Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

**Eye contact:** Corneal burns may occur. May cause permanent damage.

**Ingestion:** Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

**Inhalation:** There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

**Delayed / immediate effects:**

Immediate effects can be expected after short-term exposure.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Eye bathing equipment should be available on the premises.

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### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

#### 5.2 Special hazards arising from the substance or mixture

**Exposure hazards:** Corrosive. In combustion emits toxic fumes.

#### 5.3 Advice for firefighters

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

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### SECTION 6: Accidental release measures

## 6.1 Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Notify the police and fire brigade immediately. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

## 6.2 Environmental precautions

Do not discharge into drains or rivers. Contain the spillage using bunding.

## 6.3 Methods and materials for containment and cleaning up

Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

## 6.4 Reference to other sections

Refer to section 8 of SDS.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

### 7.2 Conditions for safe storage, including any incompatibilities

**Storage conditions:**

Store in cool, well ventilated area. Keep container tightly closed.

**Suitable packaging:**

Not applicable.

### 7.3 Specific end use(s)

No data available

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

**Hazardous ingredients:**

**SODIUM HYDROXIDE**

**Workplace exposure limits:****Respirable dust**

State	8-hour TWA	15 min. STEL	8-hour TWA	15 min. STEL
UK	-	2 mg/m <sup>3</sup>	-	-

**DNEL / PNEC**

No data available.

**8.2 Exposure controls****Engineering measures:**

Ensure there is exhaust ventilation of the area.

**Respiratory protection:**

Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:**

Impermeable gloves.

**Eye protection:**

Tightly fitting safety goggles. Ensure eye bath is to hand.

**Skin protection:**

Impermeable protective clothing.

**Environmental:**

Do not let product enter drains.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****State:** Liquid**9.2 Other safety information**

Not applicable

**SECTION 10: Stability and reactivity****10.1 Reactivity**

Stable under recommended transport or storage conditions.

**10.2 Chemical stability**

Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

#### 10.4 Conditions to avoid

Heat

#### 10.5 Incompatible materials

##### Materials to avoid:

Strong oxidising agents. Strong acids.

#### 10.6 Hazardous decomposition products

In combustion emits toxic fumes.

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

##### Hazardous ingredients:

##### SODIUM HYDROXIDE

IPR	MUS	LD50	40	mg/kg
ORL	RBT	LDLO	500	mg/kg

##### Relevant effects for mixture:

Effect	Route	Basis
Corrosivity	OPT INH DRM	Hazardous: calculated

#### Symptoms / routes of exposure

<b>Skin contact:</b>	Blistering may occur. Progressive ulceration will occur if treatment is not immediate.
<b>Eye contact:</b>	Corneal burns may occur. May cause permanent damage.
<b>Ingestion:</b>	Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.
<b>Inhalation:</b>	There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

##### Delayed / immediate effects:

Immediate effects can be expected after short-term exposure.

**Other information:** Not applicable.

## SECTION 12: Ecological information

### 12.1 Toxicity

**Ecotoxicity values:** No data available

### 12.2 Persistence and degradability

Biodegradable.

### 12.3 Bioaccumulative potential

No bioaccumulation potential.

### 12.4 Mobility in soil

Readily absorbed into soil.

### 12.5 Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

### 12.6 Other adverse effects

Negligible ecotoxicity.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**Recovery operations:** Not applicable.

**Disposal of packaging:** Dispose of as unused product.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

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## SECTION 14: Transport information

### 14.1 UN number

UN1824

### 14.2 UN proper shipping name

SODIUM HYDROXIDE, SOLUTION

### 14.3 Transport hazard class(es)

8

**14.4 Packaging group**

II

**14.5 Environmental hazards****Environmentally hazardous:**

No

**Marine pollutant:**

No

**14.6 Special precautions for user****Special precautions:** No special precautions.**Tunnel code:** E**Transport category:** 2

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**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

**15.2 Chemical safety assessment**

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

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**SECTION 16: Other information**

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and 3:**

H314: Causes severe skin burns and eye damage.

R35: Causes severe burns

**Further information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Solmedia

SODIUM HYDROXIDE 10%



Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.